

1 **CLAIMS**

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3 1. A script file, comprising:

4 a text section that includes a text label to designate a point during execution

5 of a script sequence when an audio rendition of a video event is to be initiated;

6 a container configured to maintain audio content within the script file, the

7 audio content identified in the container with a content label corresponding to the

8 text label; and

9 the audio content being auto-referable and generated as the audio rendition

10 at the designated point during execution of the script sequence.

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12 2. A script file as recited in claim 1, wherein the audio content is

13 initiated to be generated as the audio rendition without a reference in the text

14 section to identify a location of the audio content.

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16 3. A script file as recited in claim 1, wherein the audio content is

17 initiated to be generated as the audio rendition without an instruction in the text

18 section to render the audio content.

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20 4. A script file as recited in claim 1, wherein the audio content is

21 generated as the audio rendition when a script processor executes the script file

22 and determines that the content label corresponds to the text label.

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1 5. A script file as recited in claim 1, wherein:

2 the text section includes a second text label to designate a second point
3 during execution of the script sequence when a second audio rendition is to be
4 initiated;

5 the container is further configured to maintain a reference to additional
6 audio content, the reference identified in the container with a reference label
7 corresponding to the second text label; and

8 the additional audio content being auto-referable and generated as the
9 second audio rendition at the designated second point during execution of the
10 script sequence when the script file is executed.

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12 6. A script file as recited in claim 5, wherein the additional audio
13 content is generated as the second audio rendition when a script processor
14 executes the script file and determines that the reference label corresponds to the
15 second text label.

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17 7. A script file as recited in claim 1, wherein:

18 the text section includes a second text label to designate a second point
19 during execution of the script sequence when a second script is to be executed;

20 the container is further configured to maintain a reference to the second
21 script, the reference identified in the container with a reference label
22 corresponding to the second text label; and

23 the second script is executed when a script processor executes the script file
24 and determines that the reference label corresponds to the second script.

1 **8.** A script file as recited in claim 1, wherein:

2 the text section includes at least a second text label to designate a second
3 point during execution of the script sequence when a second audio rendition is to
4 be initiated;

5 the container is further configured to maintain additional audio content
6 within the script file, the additional audio content identified in the container with a
7 second content label corresponding to the at least second text label;

8 the audio content is generated as the audio rendition when a script
9 processor executes the script file and determines that the content label corresponds
10 to the text label; and

11 the additional audio content is generated as the second audio rendition
12 when the script processor executes the script file and determines that the second
13 content label corresponds to the at least second text label.

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15 **9.** A script file as recited in claim 1, wherein the text section includes an
16 instruction set configured to instantiate one or more audio processing components
17 that are configured to generate an audio rendition corresponding to a video event.

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19 **10.** A script file as recited in claim 1, wherein the text section includes
20 an instruction set configured to instantiate one or more audio processing
21 components, an individual audio processing component having interface methods
22 that are callable by the script file.

1 **11.** A script file as recited in claim 1, wherein the text section includes
2 an instruction set configured to instantiate one or more audio processing
3 components, an individual audio processing component having interface methods
4 that are callable by the script file via an iDispatch interface between the script file
5 and the individual audio processing component.

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7 **12.** A script file as recited in claim 1, wherein the text section includes
8 an instruction set configured to:

9 instantiate a performance manager that includes at least one audio segment
10 having one or more audio content components, each audio content component
11 configured to generate audio instructions from the audio content; and

12 instantiate an audio rendition manager that includes one or more audio
13 rendering components configured to process the audio instructions to render an
14 audio rendition corresponding to the audio content.

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16 **13.** A script file as recited in claim 12, wherein the performance
17 manager is instantiated when an application program initiates execution of the
18 script file, the performance manager instantiated as a component object having an
19 interface that is callable by the application program.

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21 **14.** A script file as recited in claim 12, wherein the performance
22 manager is instantiated as a component object having interface methods that are
23 callable by the script file via a translation interface between the script file and the
24 performance manager.

1 **15.** A script file as recited in claim 14, wherein the translation interface
2 is an iDispatch application.

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4 **16.** A script file as recited in claim 12, wherein the audio rendition
5 manager is instantiated when an application program initiates execution of the
6 script file, the audio rendition manager instantiated as a component object having
7 an interface that is callable by the application program.

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9 **17.** A script file as recited in claim 12, wherein the audio rendition
10 manager is instantiated as a component object having interface methods that are
11 callable by the script file via a translation interface between the script file and the
12 audio rendition manager.

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14 **18.** A script file as recited in claim 17, wherein the translation interface
15 is an iDispatch application.

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17 **19.** A script file as recited in claim 12, wherein the text section includes
18 a second instruction set configured to monitor one or more parameters of the audio
19 segment to determine when to input the audio content to the audio segment to
20 render the audio content.

1 **20.** A script file as recited in claim 12, wherein the performance
2 manager is instantiated when an application program initiates execution of the
3 script file, and wherein the text section includes a second instruction set
4 configured to monitor one or more parameters of the application program to
5 determine when to input the audio content to the audio segment to render the audio
6 content.

7
8 **21.** A script file as recited in claim 12, wherein the text section includes
9 a second instruction set configured to instantiate a script track as a component of
10 the audio segment, the script track configured to monitor one or more parameters
11 of the audio segment to determine when to input the audio content to the audio
12 segment to render the audio content.

13
14 **22.** A script file as recited in claim 12, wherein the performance
15 manager is instantiated when an application program initiates execution of the
16 script file, and wherein the text section includes a second instruction set
17 configured to instantiate a script track as a component of the audio segment, the
18 script track configured to monitor one or more parameters of the application
19 program to determine when to input the audio content to the audio segment to
20 render the audio content.

1 **23.** A script file, comprising:

2 a text section that includes a text label to designate a point during execution
3 of a script sequence when an audio rendition of a video event is to be initiated;

4 a container configured to maintain a reference to audio content, the
5 reference identified in the container with a reference label corresponding to the
6 text label; and

7 the audio content being auto-referable and generated as the audio rendition
8 at the designated point during execution of the script sequence.

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10 **24.** A script file as recited in claim 23, wherein the audio content is
11 initiated to be generated as the audio rendition without a reference in the text
12 section to identify a location of the audio content.

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14 **25.** A script file as recited in claim 23, wherein the audio content is
15 initiated to be generated as the audio rendition without an instruction in the text
16 section to render the audio content.

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18 **26.** A script file as recited in claim 23, wherein the audio content is
19 generated as the audio rendition when a script processor executes the script file
20 and determines that the reference label corresponds to the text label.

1 **27.** A script track implemented as a component of an audio segment
2 which is instantiated to represent audio content, the script track configured to
3 monitor one or more parameters of the audio segment to determine when to
4 initiate execution of one or more script files.

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6 **28.** A script track implemented as a component of an audio segment
7 which is instantiated to represent audio content, the script track configured to
8 monitor one or more parameters of the audio segment to determine when to
9 initiate execution of one or more script files, a script file comprising:

10 a text section that includes a text label to designate when the audio content
11 is to be rendered;

12 a container configured to maintain the audio content, the audio content
13 identified with a content label corresponding to the text label; and

14 the audio content being auto-referable and input to the audio segment when
15 the script file is executed.

1 **29.** A script track implemented as a component of an audio segment
2 which is instantiated to represent audio content, the script track comprising one or
3 more script files, a script file including:

4 a text section that includes a text label to designate when the audio content
5 is to be rendered;

6 a container configured to maintain the audio content, the audio content
7 identified with a content label corresponding to the text label; and

8 the audio content being auto-referable and input to the audio segment when
9 the script file is executed.
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11 **30.** A script track as recited in claim 29, wherein the audio content is
12 input to the audio segment without a reference in the text section to identify a
13 location of the audio content.
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15 **31.** A script track as recited in claim 29, wherein the audio content is
16 input to the audio segment when a script processor determines that the content
17 label corresponds to the text label.
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1 **32.** A script track as recited in claim 29, wherein:

2 the text section includes a reference text label to designate when additional
3 audio content is to be rendered;

4 the container is further configured to maintain a reference to the additional
5 audio content, the reference identified with a reference label corresponding to the
6 second text label; and

7 the additional audio content being auto-referable and input to the audio
8 segment when the script file is executed.

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10 **33.** A script track as recited in claim 32, wherein the additional audio
11 content is input to the audio segment when a script processor determines that the
12 reference label corresponds to the reference text label.

13
14 **34.** A script file, comprising:

15 a first instruction set configured to instantiate a performance manager that
16 includes at least one audio segment having one or more audio content components,
17 each audio content component configured to generate audio instructions from
18 received audio content; and

19 a second instruction set configured to instantiate an audio rendition
20 manager that includes one or more audio rendering components configured to
21 process the audio instructions to generate an audio rendition corresponding to the
22 audio content.

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2 **35.** A script file as recited in claim 34, wherein the performance
3 manager and the audio rendition manager are instantiated when an application
4 program initiates execution of the script file, the performance manager instantiated
5 as a component object having an interface that is callable by the application
6 program, and the audio rendition manager instantiated as a component object
7 having an interface that is callable by the application program.

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9 **36.** A script file as recited in claim 34, wherein the performance
10 manager is instantiated as a component object having interface methods that are
11 callable by the script file via a translation interface between the script file and the
12 performance manager, and wherein the audio rendition manager is instantiated as a
13 component object having interface methods that are callable by the script file via
14 the translation interface between the script file and the audio rendition manager.

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16 **37.** A script file as recited in claim 34, further comprising at least a third
17 instruction set configured to determine when to input the audio content to the
18 audio segment to generate the audio rendition.

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20 **38.** A script file as recited in claim 34, further comprising at least a third
21 instruction set configured to instantiate a script track as a component of the audio
22 segment, the script track configured to monitor one or more parameters of the
23 audio segment to determine when to input the audio content to the audio segment
24 to generate the audio rendition.
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1 **39.** A script file as recited in claim 34, wherein the performance
2 manager and the audio rendition manager are instantiated when an application
3 program initiates execution of the script file, and wherein the text section includes
4 at least a third instruction set configured to instantiate a script track as a
5 component of the audio segment, the script track configured to monitor one or
6 more parameters of the application program to determine when to input the audio
7 content to the audio segment to generate the audio rendition.

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9 **40.** A script file as recited in claim 34, further comprising:
10 a text section that includes the first instruction set and the second
11 instruction set, and further includes a text label to designate when to input the
12 audio content to the audio segment;
13 a container configured to maintain the audio content within the script file,
14 the audio content identified with a content label corresponding to the text label;
15 and
16 the audio content being auto-referable and input to the audio segment when
17 the script file is executed.

18
19 **41.** A script file as recited in claim 40, wherein the audio content is
20 input to the audio segment when a script processor executes the script file and
21 determines that the content label corresponds to the text label.

1 **42.** A script file as recited in claim 34, further comprising:

2 a text section that includes the first instruction set and the second
3 instruction set, and further includes a text label to designate when to input the
4 audio content to the audio segment;

5 a container configured to maintain a reference to the audio content, the
6 reference identified with a reference label corresponding to the second text label;
7 and

8 the audio content being auto-referable and input to the audio segment when
9 the script file is executed.
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11 **43.** A script file as recited in claim 42, wherein the audio content is
12 input to the audio segment when a script processor executes the script file and
13 determines that the reference label corresponds to the second text label.
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15 **44.** A method for managing audio generation with a script file,
16 comprising:

17 instantiating a performance manager that includes at least one audio
18 segment having one or more audio content components, each audio content
19 component generating audio instructions from received audio content; and

20 instantiating an audio rendition manager that includes one or more audio
21 rendering components for processing the audio instructions to generate an audio
22 rendition corresponding to the audio content.
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1 **45.** A method for managing audio generation as recited in claim 44,
2 wherein instantiating the performance manager is in response to an application
3 program initiating execution of the script file.

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5 **46.** A method for managing audio generation as recited in claim 45,
6 wherein the performance manager is instantiated as a component object having an
7 interface that is callable by the application program.

8
9 **47.** A method for managing audio generation as recited in claim 44,
10 wherein the performance manager is instantiated as a component object having
11 interface methods that are callable by the script file via a translation interface
12 between the script file and the performance manager.

13
14 **48.** A method for managing audio generation as recited in claim 47,
15 wherein the translation interface is an iDispatch application.

16
17 **49.** A method for managing audio generation as recited in claim 44,
18 wherein instantiating the audio rendition manager is in response to an application
19 program initiating execution of the script file.

20
21 **50.** A method for managing audio generation as recited in claim 49,
22 wherein the audio rendition manager is instantiated as a component object having
23 an interface that is callable by the application program.

1 **51.** A method for managing audio generation as recited in claim 44,
2 wherein the audio rendition manager is instantiated as a component object having
3 interface methods that are callable by the script file via a translation interface
4 between the script file and the audio rendition manager.

5
6 **52.** A method for managing audio generation as recited in claim 51,
7 wherein the translation interface is an iDispatch application.

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9 **53.** A method for managing audio generation as recited in claim 44,
10 wherein instantiating the performance manager is in response to an application
11 program initiating execution of the script file, and the method further comprising
12 monitoring one or more parameters of the application program to determine when
13 to input the audio content to the audio segment.

14
15 **54.** A method for managing audio generation as recited in claim 44,
16 further comprising monitoring one or more parameters of the audio segment to
17 determine when to input the audio content to the audio segment.

18
19 **55.** A method for managing audio generation as recited in claim 44,
20 further comprising instantiating a script track as a component of the audio
21 segment, the script track monitoring one or more parameters of the audio segment
22 to determine when to input the audio content to the audio segment.

1 **56.** A method for managing audio generation as recited in claim 44,
2 wherein instantiating the performance manager is in response to an application
3 program initiating execution of the script file, and the method further comprising
4 instantiating a script track as a component of the audio segment, the script track
5 monitoring one or more parameters of the application program to determine when
6 to input the audio content to the audio segment.

7
8 **57.** One or more computer-readable media comprising computer-
9 executable instructions that, when executed, direct a computing system to perform
10 the method of claim 44.

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12 **58.** One or more computer-readable media comprising computer-
13 executable instructions that, when executed, direct a computing system to perform
14 the method of claim 47.

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16 **59.** One or more computer-readable media comprising computer-
17 executable instructions that, when executed, direct a computing system to perform
18 the method of claim 51.

19
20 **60.** One or more computer-readable media comprising computer-
21 executable instructions that, when executed, direct a computing system to perform
22 the method of claim 55.

1 **61.** One or more computer-readable media comprising computer
2 executable instructions that, when executed, direct a computing system to perform
3 a method comprising:

4 executing a multimedia application;
5 rendering a video event of the multimedia application;
6 receiving a request from the multimedia application to create an audio
7 generation system to generate an audio rendition corresponding to the video event;
8 in response to receiving the request, executing a script file to create the
9 audio generation system, the script file comprising computer executable
10 instructions that further direct the computing system to perform:

11 instantiating a performance manager that includes at least one audio
12 segment having one or more audio content components, each audio content
13 component generating audio instructions from received audio content; and

14 instantiating an audio rendition manager that includes one or more
15 audio rendering components for processing the audio instructions to
16 generate the audio rendition.

17
18 **62.** One or more computer-readable media as recited in claim 61,
19 wherein the performance manager is instantiated as a component object having an
20 interface that is callable by the interactive video program.

21
22 **63.** One or more computer-readable media as recited in claim 61,
23 wherein the performance manager is instantiated as a component object having
24 interface methods that are callable by the script file via a translation interface
25 between the script file and the performance manager.

1
2 **64.** One or more computer-readable media as recited in claim 61,
3 wherein the audio rendition manager is instantiated as a component object having
4 an interface that is callable by the interactive video program.
5

6 **65.** One or more computer-readable media as recited in claim 61,
7 wherein the audio rendition manager is instantiated as a component object having
8 interface methods that are callable by the script file via a translation interface
9 between the script file and the audio rendition manager.
10

11 **66.** One or more computer-readable media as recited in claim 61,
12 wherein the script file further comprises computer executable instructions that
13 further direct the computing system to perform instantiating a script track as a
14 component of the audio segment, the script track monitoring one or more
15 parameters of the audio segment to determine when to input the received audio
16 content to the audio segment.
17

18 **67.** One or more computer-readable media as recited in claim 61,
19 wherein the script file further comprises computer executable instructions that
20 further direct the computing system to perform instantiating a script track as a
21 component of the audio segment, the script track monitoring one or more
22 parameters of the interactive video program to determine when to input the
23 received audio content to the audio segment.
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